(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



10/507**415**

(43) International Publication Date 21 May 2004 (21.05.2004)

PCT

(10) International Publication Number WO 2004/042751 A1

- (51) International Patent Classification⁷: H01F 38/20, H05K 7/14, G01R 11/04, 15/12 // H01F 27/02, H02B 1/01
- (21) International Application Number:

PCT/FI2003/000836

(22) International Filing Date:

6 November 2003 (06.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 20021999

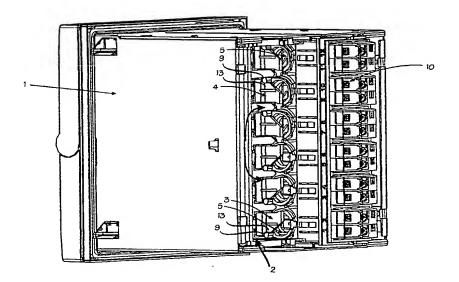
7 November 2002 (07.11.2002) I

- (71) Applicant (for all designated States except US): ABB OY [FI/FI]; Strömbergintie 1, FIN-00380 Helsinki (FI).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): KANGAS, Simo [FI/FI]; Pietarsaarenkatu 10 D 29, FIN-65350 Vaasa (FI).
- (74) Agent: KOLSTER OY AB; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).

- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT (utility model), PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO utility model (BW), ARIPO patent (BW), ARIPO utility model (GH), ARIPO patent (GH), ARIPO utility model (GM), ARIPO patent (GM), ARIPO utility model (KE), ARIPO patent (KE), ARIPO utility model (LS), ARIPO patent (LS), ARIPO utility model (MW), ARIPO patent (MW), ARIPO utility model (MZ), ARIPO patent (MZ), ARIPO utility model (SD), ARIPO patent (SD), ARIPO utility model (SL), ARIPO patent (SZ), ARIPO utility model (SZ), ARIPO patent (SZ), ARIPO utility model (TZ), ARIPO patent (TZ), ARIPO utility model (UG), ARIPO patent (UG), ARIPO utility model (ZM), ARIPO patent (ZM), ARIPO utility model (ZW), ARIPO patent (ZW), Eurasian patent

[Continued on next page]

(54) Title: PLUG-IN UNIT ASSEMBLY COMPRISING INSTRUMENT TRANSFORMERS



(57) Abstract: The invention relates to a plug-in unit assembly comprising instrument transformers, a case assembly (1) comprising a connector assembly (10), and a plug-in unit (2) comprising at least one instrument transformer (3, 4) and configured to be connected to the case assembly (1). The instrument transformers (3, 4) of the plug-in unit (2) are coded in such a manner that the codings of the current transformers (3) and the voltage transformers (4) are different. The connector assembly (10) of the plug-in unit assembly of the invention is capable of identifying the type of the instrument transformers (3, 4) based on their coding when the plug-in unit (2) is being connected to the case assembly (1).

BEST AVAILABLE COPY